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Amendment

Please enter the following amendments in this case.

IN THE SPECIFICATION:

Please amend the paragraph at page 7, lines 1-15 to read as follows:

502
507
A1
Figure 2 represents complementary nucleotide and deduced amino acid sequences of the rat sodium/iodide symporter cDNA (SEQ ID NO:1 and SEQ ID NO:2, respectively). Nucleotides are numbered in the 5' to 3' direction beginning with the first base of the cloned cDNA. Untranslated sequences are in lower case and translated sequences in upper case letters. The deduced amino acid sequence (single letter code) is shown below the nucleotide sequence. The twelve putative membrane-spanning domains are shaded in grey. Three potential N-linked glycosylation sites are indicated in bold type (positions 225, 485 and 497). One putative intracellular consensus sequence for cAMP-dependent protein kinase A phosphorylation is boxed (positions 549-552). A polyadenylation signal in the 3' untranslated domain is underlined (position 2795).--

IN THE CLAIMS:

Please cancel claims 1-55 without prejudice or disclaimer and substitute therefor the following claims 56-75.

508
557
A2
56. (New) A method of detecting expression of a mammalian sodium/iodide symporter in a mammalian tissue, the method comprising contacting nucleic acid from the mammalian tissue with a nucleic acid probe which can hybridize to a portion of the nucleotide sequence contained in Figure 2 (SEQ ID NO:1).

57. (New) The method of claim 56, wherein the nucleic acid from the mammalian tissue is mRNA.